

BREYDO, M. G. and KOBRINSKIY, A. Ye.  
(Institute of Machinery)

"Work carried out with a modernized model of a milling machine."

Programmed Control of Metal Cutting Machines. report presented at  
All-Union Conference, Moscow, 13-16 Nov 1957.  
Vestnik Ak. Nauk SSSR, 1958, No. 2. pp. 113-115, (author Kobrinskiy, A. Ye.)

AUTHORS: Breydo, M., Engineer, Gurfinkel', V., Physician 29-4-2/20

TITLE: Machine is Controlled by Thought (Mashinoy upravlyayet mysli')

PERIODICAL: Tekhnika Molodezhi, 1958, Nr 4, pp. 3-4 (USSR)

ABSTRACT: A curious device can be seen in the Soviet pavilion at the world exhibition in Brussels. It is an artificial hand with a bracelet fixed to a cable. A man who puts this bracelet round his wrist, is able to make this hand a balled fist and to make it carry out other small grasps too. Only by this thoughts this miracle was constructed for the first time in the Central Institute for Scientific Researches for Artificial Limbs in Moscow, in 1957. Then, only the direction and the speed of the finger-movements could be influenced by one's thoughts. The exposed model is substantially refined. Numerous inventions in the most various fields of science by the Soviet specialists A. Ye. Kobrinskiy, A. Ya. Sysin, M. L. Tseytlin, Ya. S. Yakobson and by the authors of this article were applied for its manufacture. The mechanism is based on the principle of changes of the electric potential, the socalled bio-current in the human organism. A socalled "mechanical hand" for manipulating with insanitary, especially with radioactive substances was

Card 1/3

Machine is Controlled by Thought

29-4-2/20

exposed at the All Union Industrial Exhibition at the time. Instruments reacting more accurately and finer than the "mechanical hand" could be made by means of a bioelectrically controlled manipulator. Due to the fact that the amplified bio-current can also be conducted per wire and radio, men would be able to effect operations at a distance of thousands of kilometers without moving from the desk in their office. Such "bio-current-hands" would be able e.g. to equip bathispheres sunk to great depths astronomical craft, atomic laboratories and many other things. The application of bioelectrical systems is of greatest interest with artificial limbs. The manufacture of a bioelectrical artificial hand is in progress at present. The application of such artificial limbs with men with amputated arms and legs would be equally promising. The application of bioelectric control for medical purposes is very prospective. A gymnastic apparatus which is self-controlled by the patient, as well as a respirator could be used in the case of polyomelitis. The self-controlled respirator would be of special importance since its use would cause the respiration of the patient to become active which accelerates the functions lost by the nervous cells. The biocurrent of the respiratory muscle could also serve for controlling the respiratory

Card 2/3

Machine is Controlled by Thought

29-4-2/20

apparatus with diving. The application of bio-current is also tempting in the complex control of machinery. It could be imagined that a pilot makes his aircraft effect the most complicated changes of position only by his reasoning. The advantage of such a control consists in that a more rapid and more accurate reaction is achieved, since the decelerating muscle-reaction is avoided. There are 2 figures.

AVAILABLE: Library of Congress

- 1. Artificial limbs-USSR
- 2. Exhibitions-Brussels-USSR
- 3. Biotechnology-USSR
- 4. Scientific research-USSR

Card 3/3

BREYDO, M.G., KOBRINSKIY, A.Ye.; BESSSTRASHNOV, V.K.

Designing programmed control systems for milling machines. Trudy  
Inst. mash. Sem. po teor.mash. 17 no.68:29-39 '58. (MIRA 11:?)  
(Milling machines--Numerical control)

9(5) PHASE I: SOVIET EXPLOITATION SOV/3176

Problemy Kibernetiki, Tsp. 2 (Problems of Cybernetics, No. 2)  
Moscow, Fizmatgiz, 1959. 323 p. Errata slip inserted. 18,000 copies printed.

Ed.: A. A. Lyapunov; Compiler-Editors: O. B. Lupanov, N. I. Landau, Eds.;  
B. Yu. Fil'chak, S. V. Yablomnyik, and Yu. I. Konoplyankin, and M. L. Spolyanskiy; Tech. Ed.:  
A. N. Akhiezer.

PURPOSE: The purpose of this collection of articles is to organize scientific papers on cybernetics and to unite the efforts and interests of Soviet scientists working in this field.

COVERAGE: This is the second volume of "Problemy Kibernetiki", dealing with problems of biology, mathematics and engineering, as they relate to cybernetics. The first volume, which appeared in 1958, considered problems of programming, machine translation and computer design. Future volumes propose to include a still greater number of subjects related to cybernetics. The editors list 5 recent Soviet books (including 2 translations) dealing with cybernetics. They thank the following persons for their help in preparing the book for publication: G. V. Vakulovskaya, T. L. Davydova, A. A. Muchnik, B. I. Plavikov, M. L. Testlin, and V. S. Shatserman. References follow each article.

#### PART IV. CONTROL SYSTEMS AND COMPUTERS

Kryazhev, A.N., and V.K. Sadrinov (Moscow). Operational Cathode-ray 191

Tube Storage Device Systems of Control -  
The article deals with the principles of operation of biological model-cathode-ray tubes for the Soviet computer "Sverdlov". It also describes the principles of operation and design of a model of a servo-drive built for this purpose. There are 12 references. 5 Soviet (1 translation), 2 German and 5 English.

#### PART V. CONTROL PROCESSES IN LIVING ORGANISMS

Smirnov-Berezinik, M.V. (Sverdlovsk) and R.R. Bunge (Berlin). On Statisticality and Amplifier Principle in Biology 213

The article concerns problems of circulation or hereditary information from generation to generation and the physical processes of its biological storage in living organisms. The authors describe the principles of operation and design of a model of a servo-drive built for this purpose. There are 52 references. 16 Soviet (5 translations), 13 English, 14 German, and 4 French.

Kruzhilin, N.Y. (Moscow). Investigation of Extrapolative 229

Replies in Animals  
The article deals with the physiology or the activity of the nervous system in animals. The article, according to the editor, is of great interest for the study of cybernetics and since it concerns relations between biology, engineering and mathematics in the investigation of control processes occurring in living organisms. There are 11 references: 9 Soviet (2 translations), and 2 English.

#### PART VI. PROBLEMS OF MATHEMATICAL LINGUISTICS

Kulagina, O.S., and G.V. Vakulovskaya (Moscow). Experimental 289  
Translations From French Into Russian on the "Strela" Computer  
The programming algorithms for the machine translation of mathematical texts from French into Russian were developed by O.S. Kulagina and L.A. Melnikov. These algorithms assume the existence of a special vocabulary which contains not words but stems. The author gives examples of translations obtained and methods used in eliminating errors. No references are given.

Kulagina, O.S. (Moscow). Operational Description of Translation 289  
Algorithms and Automatizing the Process of Their Programming  
Mathematicians of the Soviet Union have developed a programming technique of operational programming based on an external representation that is written linearly across the page. This operational programming was tested on translations from French into Russian. The author describes the class of logical operators used. The sequence of operators will indicate their sequence of performance. The following types of operators are used: condition, repeating and neutral (initial, halt, error, etc.). The author explains the method of compilation. No references are given.

KOBRINSKIY, A.Ye.; BREYDO, M.G.; GURFINKEL', V.S.; POLYAN, Ye.P.;  
SLAVUTSKIY, Ya.L.; SYSIN, A.Ya.; TSETLIN, M.L.; YAKOBSON, Ya.S.

Research on the development of bioelectric control systems.

Trudy Inst.mash.Sem.po teor.mash. 20 no.77:39-50 '59.

(MIRA 13:4)

(Electrophysiology)

BREYDO, M.I.

GRAMMAKOV, A.G.; ORLOV, V.M.; BREYDO, M.I.

Optical and acoustic signaling instruments used for the detection of  
static electricity. Priberestrenie no. 2:19-20 F '57. (MLRA 10r4)  
(Electrostatics--Measurement)

AL'PEROVICH, Yu.I.; GUTCHIN, I.B.; KAYBYSHEVA, L.S.; TEPLOV, L.P.;  
BOGDANOV, G.G.; DROBYSHEV, Yu.C.; SMIRNOV, G.V.;  
TRET'YAKOV, V.S.; BREYDO, M.I.; YEVSEYEV, L.A.; STEBAKOV,  
S.A.; FEDCHENKO, V., red.

[The ABC's of automation; collected articles] Azbuka avto-  
matiki; sbornik. Moskva, Molodaia gvardiia, 1964. 349 p.  
(MIRA 17:7)

L 10269-67 EWT(d)/EXP(v)/EXP(k)/EXP(h)/EXP(l) IJP(c) BB/GG/GD  
ACC NR: AF6031184 (A) SOURCE CODE: UR/0000/66/000/000/0122/0135

AUTHOR: Breydo, M. I.

41

ORG: None

TITLE: A simplified self-teaching system 160

SOURCE: Teoriya mashin-avtomatov i pnevmo-gidroprivodov (Theory of automatic machinery and pneumatic and hydraulic drives); sbornik statey. Moscow, Izd-vo Mashinostroyeniye, 1966, 122-135

TOPIC TAGS: learning mechanism, self adaptive control, optimal control

ABSTRACT: The author discusses the basic principles of adaptive control processes and proposes an automatic control system capable of "learning" from experience how to correct its own errors. The system incorporates information on a set of fixed situations (combinations of parameters) including a set of special control programs which are individual answers corresponding to each particular situation. The current situation (i. e. the instantaneous combination of parameters in the technological process) is evaluated and the particular program corresponding to this situation is automatically selected. The answer-programs are improved by selecting the best fixed programs for each situation (optimization process). The given system is called a finite or cyclic self-teaching system since any increase in the supply of questions and answers cannot

Card 1/2

L 10289-67

ACC NR: AT6031184

be a continuous process. This type of system may be used for automation of machine control, monitoring a technological process, increasing the operational speed, reliability and production quality of machines and for studying machines and technological processes. The system is also useful for solving technological problems which cannot be solved by other methods. However, it should be pointed out that a cyclic system may be used only where the number of parameters characterizing the technological system and the number of values taken on by these parameters are relatively small. A diagram is given showing the proposed cyclic adaptive system and the sequence of the self-teaching process is described. Orig. art. has: 4 figures, 2 tables, 7 formulas.

SUB CODE: 09/ SUBM DATE: 12Jan66

Card 2/2

BREYDO, N.

"Vacuum Tubes Count" (Lampy Schitayut), Radio No 12, pp 24-27, Dec 1953

Translation - F-TS-6357/V - D 178255, 22/3/55

"Vacuum Tubes Count" (Lampy Schitayut), Radio No 11, pp 28-30, Nov 53

Translation - F-TS 8356/V - D 178257, 22/3/55

*Brayton, F.C.**Ca*

## PROPERTIES AND PROBLEMS

Cuprous oxide rectifiers with a silver contact layer.  
V. P. Renne and T. G. Melko, *J. Tech. Phys.* (U. S. S. R.) 10, 1871-4 (1940).—The replacement of the Aquadag contact by a Ag film does not improve noticeably the volt-amp. characteristics, and does not change the temp. coeff. of d.-c. resistance, but does increase the stability, especially in a very humid atm. Plating of the Ag by the method of Rothe is preferred. Roksalana Gamow

*f**✓*

## ASA-LSA METALLURGICAL LITERATURE CLASSIFICATION

1940-1944  
1945-1949  
1950-1954  
1955-1959  
1960-1964  
1965-1969  
1970-1974  
1975-1979  
1980-1984  
1985-1989  
1990-1994  
1995-1999  
2000-2004  
2005-2009  
2010-2014  
2015-2019  
2020-2024  
2025-2029  
2030-2034  
2035-2039  
2040-2044  
2045-2049  
2050-2054  
2055-2059  
2060-2064  
2065-2069  
2070-2074  
2075-2079  
2080-2084  
2085-2089  
2090-2094  
2095-2099  
2100-2104  
2105-2109  
2110-2114  
2115-2119  
2120-2124  
2125-2129  
2130-2134  
2135-2139  
2140-2144  
2145-2149  
2150-2154  
2155-2159  
2160-2164  
2165-2169  
2170-2174  
2175-2179  
2180-2184  
2185-2189  
2190-2194  
2195-2199  
2200-2204  
2205-2209  
2210-2214  
2215-2219  
2220-2224  
2225-2229  
2230-2234  
2235-2239  
2240-2244  
2245-2249  
2250-2254  
2255-2259  
2260-2264  
2265-2269  
2270-2274  
2275-2279  
2280-2284  
2285-2289  
2290-2294  
2295-2299  
2300-2304  
2305-2309  
2310-2314  
2315-2319  
2320-2324  
2325-2329  
2330-2334  
2335-2339  
2340-2344  
2345-2349  
2350-2354  
2355-2359  
2360-2364  
2365-2369  
2370-2374  
2375-2379  
2380-2384  
2385-2389  
2390-2394  
2395-2399  
2400-2404  
2405-2409  
2410-2414  
2415-2419  
2420-2424  
2425-2429  
2430-2434  
2435-2439  
2440-2444  
2445-2449  
2450-2454  
2455-2459  
2460-2464  
2465-2469  
2470-2474  
2475-2479  
2480-2484  
2485-2489  
2490-2494  
2495-2499  
2500-2504  
2505-2509  
2510-2514  
2515-2519  
2520-2524  
2525-2529  
2530-2534  
2535-2539  
2540-2544  
2545-2549  
2550-2554  
2555-2559  
2560-2564  
2565-2569  
2570-2574  
2575-2579  
2580-2584  
2585-2589  
2590-2594  
2595-2599  
2600-2604  
2605-2609  
2610-2614  
2615-2619  
2620-2624  
2625-2629  
2630-2634  
2635-2639  
2640-2644  
2645-2649  
2650-2654  
2655-2659  
2660-2664  
2665-2669  
2670-2674  
2675-2679  
2680-2684  
2685-2689  
2690-2694  
2695-2699  
2700-2704  
2705-2709  
2710-2714  
2715-2719  
2720-2724  
2725-2729  
2730-2734  
2735-2739  
2740-2744  
2745-2749  
2750-2754  
2755-2759  
2760-2764  
2765-2769  
2770-2774  
2775-2779  
2780-2784  
2785-2789  
2790-2794  
2795-2799  
2800-2804  
2805-2809  
2810-2814  
2815-2819  
2820-2824  
2825-2829  
2830-2834  
2835-2839  
2840-2844  
2845-2849  
2850-2854  
2855-2859  
2860-2864  
2865-2869  
2870-2874  
2875-2879  
2880-2884  
2885-2889  
2890-2894  
2895-2899  
2900-2904  
2905-2909  
2910-2914  
2915-2919  
2920-2924  
2925-2929  
2930-2934  
2935-2939  
2940-2944  
2945-2949  
2950-2954  
2955-2959  
2960-2964  
2965-2969  
2970-2974  
2975-2979  
2980-2984  
2985-2989  
2990-2994  
2995-2999  
3000-3004  
3005-3009  
3010-3014  
3015-3019  
3020-3024  
3025-3029  
3030-3034  
3035-3039  
3040-3044  
3045-3049  
3050-3054  
3055-3059  
3060-3064  
3065-3069  
3070-3074  
3075-3079  
3080-3084  
3085-3089  
3090-3094  
3095-3099  
3100-3104  
3105-3109  
3110-3114  
3115-3119  
3120-3124  
3125-3129  
3130-3134  
3135-3139  
3140-3144  
3145-3149  
3150-3154  
3155-3159  
3160-3164  
3165-3169  
3170-3174  
3175-3179  
3180-3184  
3185-3189  
3190-3194  
3195-3199  
3200-3204  
3205-3209  
3210-3214  
3215-3219  
3220-3224  
3225-3229  
3230-3234  
3235-3239  
3240-3244  
3245-3249  
3250-3254  
3255-3259  
3260-3264  
3265-3269  
3270-3274  
3275-3279  
3280-3284  
3285-3289  
3290-3294  
3295-3299  
3300-3304  
3305-3309  
3310-3314  
3315-3319  
3320-3324  
3325-3329  
3330-3334  
3335-3339  
3340-3344  
3345-3349  
3350-3354  
3355-3359  
3360-3364  
3365-3369  
3370-3374  
3375-3379  
3380-3384  
3385-3389  
3390-3394  
3395-3399  
3400-3404  
3405-3409  
3410-3414  
3415-3419  
3420-3424  
3425-3429  
3430-3434  
3435-3439  
3440-3444  
3445-3449  
3450-3454  
3455-3459  
3460-3464  
3465-3469  
3470-3474  
3475-3479  
3480-3484  
3485-3489  
3490-3494  
3495-3499  
3500-3504  
3505-3509  
3510-3514  
3515-3519  
3520-3524  
3525-3529  
3530-3534  
3535-3539  
3540-3544  
3545-3549  
3550-3554  
3555-3559  
3560-3564  
3565-3569  
3570-3574  
3575-3579  
3580-3584  
3585-3589  
3590-3594  
3595-3599  
3600-3604  
3605-3609  
3610-3614  
3615-3619  
3620-3624  
3625-3629  
3630-3634  
3635-3639  
3640-3644  
3645-3649  
3650-3654  
3655-3659  
3660-3664  
3665-3669  
3670-3674  
3675-3679  
3680-3684  
3685-3689  
3690-3694  
3695-3699  
3700-3704  
3705-3709  
3710-3714  
3715-3719  
3720-3724  
3725-3729  
3730-3734  
3735-3739  
3740-3744  
3745-3749  
3750-3754  
3755-3759  
3760-3764  
3765-3769  
3770-3774  
3775-3779  
3780-3784  
3785-3789  
3790-3794  
3795-3799  
3800-3804  
3805-3809  
3810-3814  
3815-3819  
3820-3824  
3825-3829  
3830-3834  
3835-3839  
3840-3844  
3845-3849  
3850-3854  
3855-3859  
3860-3864  
3865-3869  
3870-3874  
3875-3879  
3880-3884  
3885-3889  
3890-3894  
3895-3899  
3900-3904  
3905-3909  
3910-3914  
3915-3919  
3920-3924  
3925-3929  
3930-3934  
3935-3939  
3940-3944  
3945-3949  
3950-3954  
3955-3959  
3960-3964  
3965-3969  
3970-3974  
3975-3979  
3980-3984  
3985-3989  
3990-3994  
3995-3999  
4000-4004  
4005-4009  
4010-4014  
4015-4019  
4020-4024  
4025-4029  
4030-4034  
4035-4039  
4040-4044  
4045-4049  
4050-4054  
4055-4059  
4060-4064  
4065-4069  
4070-4074  
4075-4079  
4080-4084  
4085-4089  
4090-4094  
4095-4099  
4100-4104  
4105-4109  
4110-4114  
4115-4119  
4120-4124  
4125-4129  
4130-4134  
4135-4139  
4140-4144  
4145-4149  
4150-4154  
4155-4159  
4160-4164  
4165-4169  
4170-4174  
4175-4179  
4180-4184  
4185-4189  
4190-4194  
4195-4199  
4200-4204  
4205-4209  
4210-4214  
4215-4219  
4220-4224  
4225-4229  
4230-4234  
4235-4239  
4240-4244  
4245-4249  
4250-4254  
4255-4259  
4260-4264  
4265-4269  
4270-4274  
4275-4279  
4280-4284  
4285-4289  
4290-4294  
4295-4299  
4300-4304  
4305-4309  
4310-4314  
4315-4319  
4320-4324  
4325-4329  
4330-4334  
4335-4339  
4340-4344  
4345-4349  
4350-4354  
4355-4359  
4360-4364  
4365-4369  
4370-4374  
4375-4379  
4380-4384  
4385-4389  
4390-4394  
4395-4399  
4400-4404  
4405-4409  
4410-4414  
4415-4419  
4420-4424  
4425-4429  
4430-4434  
4435-4439  
4440-4444  
4445-4449  
4450-4454  
4455-4459  
4460-4464  
4465-4469  
4470-4474  
4475-4479  
4480-4484  
4485-4489  
4490-4494  
4495-4499  
4500-4504  
4505-4509  
4510-4514  
4515-4519  
4520-4524  
4525-4529  
4530-4534  
4535-4539  
4540-4544  
4545-4549  
4550-4554  
4555-4559  
4560-4564  
4565-4569  
4570-4574  
4575-4579  
4580-4584  
4585-4589  
4590-4594  
4595-4599  
4600-4604  
4605-4609  
4610-4614  
4615-4619  
4620-4624  
4625-4629  
4630-4634  
4635-4639  
4640-4644  
4645-4649  
4650-4654  
4655-4659  
4660-4664  
4665-4669  
4670-4674  
4675-4679  
4680-4684  
4685-4689  
4690-4694  
4695-4699  
4700-4704  
4705-4709  
4710-4714  
4715-4719  
4720-4724  
4725-4729  
4730-4734  
4735-4739  
4740-4744  
4745-4749  
4750-4754  
4755-4759  
4760-4764  
4765-4769  
4770-4774  
4775-4779  
4780-4784  
4785-4789  
4790-4794  
4795-4799  
4800-4804  
4805-4809  
4810-4814  
4815-4819  
4820-4824  
4825-4829  
4830-4834  
4835-4839  
4840-4844  
4845-4849  
4850-4854  
4855-4859  
4860-4864  
4865-4869  
4870-4874  
4875-4879  
4880-4884  
4885-4889  
4890-4894  
4895-4899  
4900-4904  
4905-4909  
4910-4914  
4915-4919  
4920-4924  
4925-4929  
4930-4934  
4935-4939  
4940-4944  
4945-4949  
4950-4954  
4955-4959  
4960-4964  
4965-4969  
4970-4974  
4975-4979  
4980-4984  
4985-4989  
4990-4994  
4995-4999  
5000-5004  
5005-5009  
5010-5014  
5015-5019  
5020-5024  
5025-5029  
5030-5034  
5035-5039  
5040-5044  
5045-5049  
5050-5054  
5055-5059  
5060-5064  
5065-5069  
5070-5074  
5075-5079  
5080-5084  
5085-5089  
5090-5094  
5095-5099  
5100-5104  
5105-5109  
5110-5114  
5115-5119  
5120-5124  
5125-5129  
5130-5134  
5135-5139  
5140-5144  
5145-5149  
5150-5154  
5155-5159  
5160-5164  
5165-5169  
5170-5174  
5175-5179  
5180-5184  
5185-5189  
5190-5194  
5195-5199  
5200-5204  
5205-5209  
5210-5214  
5215-5219  
5220-5224  
5225-5229  
5230-5234  
5235-5239  
5240-5244  
5245-5249  
5250-5254  
5255-5259  
5260-5264  
5265-5269  
5270-5274  
5275-5279  
5280-5284  
5285-5289  
5290-5294  
5295-5299  
5300-5304  
5305-5309  
5310-5314  
5315-5319  
5320-5324  
5325-5329  
5330-5334  
5335-5339  
5340-5344  
5345-5349  
5350-5354  
5355-5359  
5360-5364  
5365-5369  
5370-5374  
5375-5379  
5380-5384  
5385-5389  
5390-5394  
5395-5399  
5400-5404  
5405-5409  
5410-5414  
5415-5419  
5420-5424  
5425-5429  
5430-5434  
5435-5439  
5440-5444  
5445-5449  
5450-5454  
5455-5459  
5460-5464  
5465-5469  
5470-5474  
5475-5479  
5480-5484  
5485-5489  
5490-5494  
5495-5499  
5500-5504  
5505-5509  
5510-5514  
5515-5519  
5520-5524  
5525-5529  
5530-5534  
5535-5539  
5540-5544  
5545-5549  
5550-5554  
5555-5559  
5560-5564  
5565-5569  
5570-5574  
5575-5579  
5580-5584  
5585-5589  
5590-5594  
5595-5599  
5600-5604  
5605-5609  
5610-5614  
5615-5619  
5620-5624  
5625-5629  
5630-5634  
5635-5639  
5640-5644  
5645-5649  
5650-5654  
5655-5659  
5660-5664  
5665-5669  
5670-5674  
5675-5679  
5680-5684  
5685-5689  
5690-5694  
5695-5699  
5700-5704  
5705-5709  
5710-5714  
5715-5719  
5720-5724  
5725-5729  
5730-5734  
5735-5739  
5740-5744  
5745-5749  
5750-5754  
5755-5759  
5760-5764  
5765-5769  
5770-5774  
5775-5779  
5780-5784  
5785-5789  
5790-5794  
5795-5799  
5800-5804  
5805-5809  
5810-5814  
5815-5819  
5820-5824  
5825-5829  
5830-5834  
5835-5839  
5840-5844  
5845-5849  
5850-5854  
5855-5859  
5860-5864  
5865-5869  
5870-5874  
5875-5879  
5880-5884  
5885-5889  
5890-5894  
5895-5899  
5900-5904  
5905-5909  
5910-5914  
5915-5919  
5920-5924  
5925-5929  
5930-5934  
5935-5939  
5940-5944  
5945-5949  
5950-5954  
5955-5959  
5960-5964  
5965-5969  
5970-5974  
5975-5979  
5980-5984  
5985-5989  
5990-5994  
5995-5999  
6000-6004  
6005-6009  
6010-6014  
6015-6019  
6020-6024  
6025-6029  
6030-6034  
6035-6039  
6040-6044  
6045-6049  
6050-6054  
6055-6059  
6060-6064  
6065-6069  
6070-6074  
6075-6079  
6080-6084  
6085-6089  
6090-6094  
6095-6099  
6100-6104  
6105-6109  
6110-6114  
6115-6119  
6120-6124  
6125-6129  
6130-6134  
6135-6139  
6140-6144  
6145-6149  
6150-6154  
6155-6159  
6160-6164  
6165-6169  
6170-6174  
6175-6179  
6180-6184  
6185-6189  
6190-6194  
6195-6199  
6200-6204  
6205-6209  
6210-6214  
6215-6219  
6220-6224  
6225-6229  
6230-6234  
6235-6239  
6240-6244  
6245-6249  
6250-6254  
6255-6259  
6260-6264  
6265-6269  
6270-6274  
6275-6279  
6280-6284  
6285-6289  
6290-6294  
6295-6299  
6300-6304  
6305-6309  
6310-6314  
6315-6319  
6320-6324  
6325-6329  
6330-6334  
6335-6339  
6340-6344  
6345-6349  
6350-6354  
6355-6359  
6360-6364  
6365-6369  
6370-6374  
6375-6379  
6380-6384  
6385-6389  
6390-6394  
6395-6399  
6400-6404  
6405-6409  
6410-6414  
6415-6419  
6420-6424  
6425-6429  
6430-6434  
6435-6439  
6440-6444  
6445-6449  
6450-6454  
6455-6459  
6460-6464  
6465-6469  
6470-6474  
6475-6479  
6480-6484  
6485-6489  
6490-6494  
6495-6499  
6500-6504  
6505-6509  
6510-6514  
6515-6519  
6520-6524  
6525-6529  
6530-6534  
6535-6539  
6540-6544  
6545-6549  
6550-6554  
6555-6559  
6560-6564  
6565-6569  
6570-6574  
6575-6579  
6580-6584  
6585-6589  
6590-6594  
6595-6599  
6600-6604  
6605-6609  
6610-6614  
6615-6619  
6620-6624  
6625-6629  
6630-6634  
6635-6639  
6640-6644  
6645-6649  
6650-6654  
6655-6659  
6660-6664  
6665-6669  
6670-6674  
6675-6679  
6680-6684  
6685-6689  
6690-6694  
6695-6699  
6700-6704  
6705-6709  
6710-6714  
6715-6719  
6720-6724  
6725-6729  
6730-6734  
6735-6739  
6740-6744  
6745-6749  
6750-6754  
6755-6759  
6760-6764  
6765-6769  
6770-6774  
6775-6779  
6780-6784  
6785-6789  
6790-6794  
6795-6799  
6800-6804  
6805-6809  
6810-6814  
6815-6819  
6820-6824  
6825-6829  
6830-6834  
6835-6839  
6840-6844  
6845-6849  
6850-6854  
6855-6859  
6860-6864  
6865-6869  
6870-6874  
6875-6879  
6880

L 00374-66

ACCESSION NR: AR5013965

for recording special instructions and the remaining digits are divided between three addresses. The unit is equipped with four memory systems: 1) a magnetic operating memory, capacity 512 terms, rotation period 6 msec; 2) an intermediate memory on a magnetic drum, capacity 1024 terms, average rotation period 10 msec; 3) permanent memory on a magnetic drum, capable of data readout only, capacity 2048 terms, average rotation period 10 msec; 4) magnetic tape with a capacity of 100,000 terms. The computer operates on a frequency of 25 kc, power consumption is 3 kw, output rate 20 terms/sec. A total of 39 commands can be performed; the unit operates at an average speed of 1500 operations per second. The unit employs semiconductors (4000 triodes), an integrator in the form of a trigger register with a continuous carry and without provision for shifts and a data input system either from a manual keyboard or via a tape reading photoinput system. The unit occupies 50 m<sup>2</sup>. Bibl. with 7 titles, 1 illustration. N. S.

SUB CODE: DP

ENCL: 00

JK  
Card 2/2

L 4550-66 EWT(d)/T/EWP(1) IJP(c) BB/GG

ACC NR: AP5026719

SOURCE CODE: UR/0141/65/008/005/1030/1035

AUTHOR: Breydo, M. D.; Lobashov, N. I.

ORG: Scientific Research Physicotechnical Institute at Gorky University  
(Nauchno-issledovatel'skiy fiziko-tehnicheskiy institut pri Gor'kovskom universi-  
tete)

TITLE: Digital computer experiments on the classification of visual images by  
the generalized pattern method

SOURCE: IVUZ. Radiofizika, v. 8, no. 5, 1965, 1030-1035

TOPIC TAGS: algorithm, computer coding, computer programming, character recogni-  
tion 16, 44

ABSTRACT: The article describes the results of an investigation of a recognition  
algorithm discussed in another paper (M. D. Breydo, Izv. vyssh. uch. zav.--Radio-  
fizika v. 8, 1036, 1965), based on the compactness hypothesis (E. M. Braverman,  
Avtomatika i telemekhanika v. 23, 349, 1962). The experimental material used are  
handwritten Arabic numbers and letters of the cyrillic alphabet. Each letter is  
projected on a grid with 10 x 6 = 60 cells and is suitably coded. The major task  
of the computer was to establish a generalized pattern for a given letter after

Card 1/2

UDC: 62—50

L 4550-66

ACC NR: AP5026719

being fed a certain number (18) of different images of this letter. This generalized pattern was to serve as a means of determining whether some other image represents this letter or not. An accuracy of up to 9119% is claimed for the recognition of some characters, although the computer was not successful in distinguishing between letters with very similar outlines. The coding and programming are briefly discussed. Orig. art. has: 3 figures and 2 tables. [02]

SUB CODE: DP/ SUBM DATE: 01Feb65/ ORIG REF: 004/ ATD PRESS: 4136

Card 2/2

USSR/Geophysics - Ion adsorption by drops

FD-2893

Card 1/1      Pub. 45 - 4/11

Author : Breydo, Ts. G.

Title : ~~Investigation of the mechanism governing the adsorption of ions by~~  
drops of water

Periodical : Izv. AN SSSR, Ser. geofiz., Nov-Dec 1955, 521-528

Abstract : The author presents the results of an experimental study of the dependence of charge acquired by a drop falling in a stream of ionized air upon the concentration and coefficients of diffusion of ions of both signs in the air, upon the velocity of motion of the drop, and upon the radius of the drop. On the basis of the results obtained the author is led to the conclusion that in weak electric fields the principal mechanism for charging of drops is the diffusion of ions. He thanks P. N. Tverskiy for his guidance. Five references: e.g. N. A. Fuks, "Quantity of charges on particles of atmospheric aerocolloids," Izv. AN SSSR, Ser. geogr. i geofiz., No 4, 1947.

Institution : -

Submitted : February 11, 1954

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

15747

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

L 17529-63  
PC-1/PR-4 RM/WW/DJ

EWP(j)/EPF(c)/ENT(l)/ENT(m)/BDS AFFTC/ASD/APGC/SSD

ACCESSION NR: AP3CO4535

S/0065/63/000/008/0057/0061

AUTHORS: Kaplan, S. Z.; Basin, A. P.; Breydo, Ts. G.; Spirina, I. F.

76

TITLE: Effect of bremsstrahlung from a betatron with 25 mev energy and ultra-violet rays on mineral oils

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 8, 1963, 57-61

TOPIC TAGS: bremsstrahlung, betatron, ultraviolet ray., lubricating oil, mineral oil, betatron irradiation.

ABSTRACT: Authors studied some physico-chemical processes which take place in mineral lubricating and electric insulating oils under the influence of electromagnetic radiation. The average effective radiation of the betatron was 9.5 mev. The effect of retardation of the betatron irradiation on turbine lubricants which were concentrated with polymers was studied by applying a maximum energy of 25 mev of a dose of  $10^5$ - $10^6$  and ultraviolet radiation. It was found that when the irradiation is performed in a closed system with an inadequate supply of air, the oxidizing numbers of concentrated oils were decreased. Their viscosity did not change however. The lowering of intensity in the absorption bands corresponding to the vibrations of the groups-CH<sub>2</sub> and -CH<sub>3</sub> were observed in the infrared

Card 1/2

L 17529-63

ACCESSION NR: AP3004535

spectra of the oil irradiated by the betatron. However, after irradiation with the ultraviolet light, the intensity of these bands increased. When the irradiation is performed in an open vessel with a transformer oil using a dose of  $10^6$  r, the oxidizing number of the oil increases and the electric insulating properties are decreased. As a result of the irradiation, Beta-active isotopes Fe<sup>55</sup> and Na<sup>24</sup> appear in the oil. Orig. art. has: 3 tables and 5 figures.

ASSOCIATION: none

SUBMITTED: OO

DATE ACQ: 27Aug63

ENCL: 00

SUB CODE: PH, CH

NO REF Sov: 012

CTHER: 003

Card 2/2

KAPLAN, S.Z.; BAZIN, A.P.; BREYDO, TS.G.; SPIRINA, I.F.

Effect of the braking radiation of betatron with an energy of  
25 Mev and of ultraviolet rays on mineral oils. Khim.i  
tekh.topl.i masel 8 no.8:57-61 Ag '63. (MIRA 16:9)  
(Mineral oils) (Radiation)

PLATSMAN, L.G.; BREYDO, V.A.

Hemodynamic and electrocardiographic changes under the influence  
of mud treatments at high mountain altitudes. Vop. kur., fizioter.  
i lech. fiz. kul't. 25 no. 6:499-501 N-D '60. (MIRA 14:2)

1. Iz kliniki fakul'tetskoy terapii Kirgizskogo meditsinskogo  
instituta (zav. - prof. M.Ye. Vol'skiy) I Issyk-Kul'skogo sanatoriya  
"Tamga" (nach. M.V. Mikhaylenko).  
(BLOOD) (ELECTROCARDIOGRAPHY) (BATHS, MOOR AND MUD)

BREYDO, V.A., kand.med.nauk

Second conference on research and practice of the health resort specialists and physical therapists of Kirghizia. Vop. kur., fizioter. i lech. fiz. kul't. 25 no. 6:561-563 N-D '60.

(MIRA 14:2)

(KIRGHIZISTAN—PHYSICAL THERAPY)

BREYDO, V.A.

Effect of sangotherapy on the cardiovascular system in high-mountain altitudes, according to late results. Vop. kur., fizioter. i lech. fiz. kul't. 28 no.4;358-359 Jl-Ag '63.

(MIRA 17:9)

1. Iz Issyk-Kul'skogo voyennogo sanatoriya Turkestanskogo voyennogo okruga (nachal'nik P.G. Krtvenkov, nauchnyy rukovoditel' - zasluzhennyy deyatel' nauki prof. M.Ye. Vol'skiy [deceased]).

BREYDO, V.S., podpolkovnik med.sluzby

Effect of the altitude of the Issyk-Kul sanatorium on the  
cardiovascular system. Voen.med.zhur. no.12:79 D'57 (MIRA 11:5)  
(ALTITUDE, INFLUENCE OF CARDIOVASCULAR SYSTEM)

Chemical Technology. Artificial and Synthetic H  
Fibers.

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 75868.

Author : Breydygans - Miroslavskaya.

Inst : Not given.

Title : Expediency of Manufacturing Acetate Fibers in  
Poland.

Orig Pub: Techn. wlokienn., 1958, 6, No 1, 5-7.

Abstract: On the basis of an analysis of the technology  
and economy of the manufacture and the proper-  
ties of acetate fibers, the authors urge that  
the development of acetate fibers be brought  
up to five million tons per year.

Card 1/1

75

BREYER, A.

Tasks of the Institute for Studies and Planning of the Industry for Building  
Materials can be fulfilled with honor. p. 2  
Newest and most progressive methods in every project. p. 3

CONSTRUCTORUL, Bucuresti, Vol 8, No. 319, Feb, 1956

SO: East European Accessions List (EEAL) Library of Congress, Vol 5, No. 7, July, 1956

BREYEV, A., dotsent, kand.tekhn.nauk

"Use of plastic materials in shipbuilding and ship repairs" by  
Kh.M.Iskanderov, S.E.Perekrestov. Reviewed by A.Breev. Mor. flot  
23 no.4:43-44 Ap '63. (MIRA 16:5)  
(Shipbuilding materials) (Plastics) (Iskanderov, Kh.M.)  
(Perekrestov, S.E.)

BREYEV, A.

Useful book on the glueing of reinforced plastics. Plast. massy  
no.8:75-76 '64.  
(MIRA 17:12)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, A.; LAPSHIN, V.V.; ROMANCHENKO, N.

Reviews. Plast. massy no.3:71-73 '65.

(MIRA 18:6)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

KOROTKIN, Isaak Moiseyevich; BREYEV, A.M., nauchnyy red.; KAZAROV, Yu.S.,  
red.; SHISHKOVA, L.M., telchn.red.

[Battle damage of surface vessels] Boevye povrezhdeniya nadvodnykh  
korablei. Leningrad, Gos.sciuznoe izd-vo sudostroit.promyshl.,  
1960. 301 p. (MIRA 13:5)  
(World War, 1939-1945--Naval operations)

BREYEV, A.M., kand.tekhn.nauk

Universal caisson-docks for repairs in floated ships. Sudostroenie  
26 no.10:59-63 0'60.  
(Ships--Maintenance and repair) (Docks) (MIRA 13:10)

BREYEV, A.M., kand.tekhn.nauk

"Plastic ship hulls" by V.V. Kushelev, I.A. Sokolov. Reviewed  
by A.M. Breev. Sudostroenie 27 no.11:75 N '61. (MIRA 15:1)  
(Hulls (Naval architecture))  
(Plastics)  
(Kushelev, V.V.) (Sokolov, I.A.)

BREYEV, A.M., kand.tekhn.nauk; SOKOLOV, B.F., inzh.; KRIVTSOV, Yu.V.,  
kand.tekhn.nauk; PANFILOV, N.A., inzh.

"Ship design of plastic materials" by M.G.Avrukha. Reviewed  
by A.M.Breev, P.B.Sokolov, Iu.V.Krivtsov, N.A.Panfilov.  
Sudostroenie 28 no.7:82-84 Jl '62. (MIRA 15:8)  
(Shipbuilding) (Plastics) (Avrukha, M.G.)

SEMENOV-TYAN-SHANSKIY, Roman Veniaminovich; BREYEV, A.M., kand.  
tekhn. nauk, retsentz; LOVYAGIN, M.A., inzh., retsentz;  
KUSKOVA, A.I., red.; KOROVENKO, Yu.N., tekhn. red.

[Designing caisson docks] Proektirovaniye kesson-dokov. Le-  
ningrad, Sudpromgiz, 1963. 64 p. (MIRA 16:10)  
(Gaisons) (Floating docks)

BREYEV, A.M.

Useful book on glass plastics (B.A.Kiselev, "Glass Plastics," State Scientific and Technical Publishing House of Chemical Literature, 1961). Plast.massy no.10:71-73 '63. (MIRA 16:10)

BREYEV, A.M., inzh.-kapitan 1-go ranga zapasa

Use of reinforced plastics in submarine building. Mor. sbor.  
47 no.6:69-71 Je '64.

(MIRA 18:7)

BREYEV, B.

Changes in workers' professional composition. Biul.nauch.inform.:  
trud i zar.plata 4 no.5:9-14 '61.  
(Sverdlovsk--Machinery industry) (MIRA 14:5)

BREYEV, B.

Technological progress and the educational level of the working  
class. Biul. nauch. inform.: trud i zar. plata 4 no.10:32-36  
'61. (MIRA 14:10)

(Technology)  
(Labor and laboring classes...Education)

BREIEV, B. D.

USSR/Leather Manufactures      4414.0500  
Labor 5400.

Sep 1947

"Utilizing Reserve Capacity for Output of Equipment," I. I. Kapustin,  
Candidate in Tech Sci, B. D. Breyev, Engr, 1½ pp

"Legkaya Prom" Vol VII, No 9

Latent and actual productive capacities of workshops No 3 and 4 of  
shoe factory "Burevestnik" are discussed as examples of discrepancy  
that exists between workshops. If unused capacity were fully  
exploited, production figures would add considerably to national  
economy.

LC

15G68

*BREYEV, B.D.*AUTHOR: Breyev, B.D.

28-5-10/30

TITLE: Technical Progress in Leather-Footwear Industry (Tekhnicheskiy progress v kozhevenno-obuvnoy promyshlennosti)

PERIODICAL: Standartizatsiya, 1957, # 5, p 43-46 (USSR)

ABSTRACT: The article presents a general review of progress in Soviet production of footwear since the Revolution.

The shoe factories are now mechanized to 60 % and 87 % of the handling operations are performed by conveyers. The overall output of shoe factories attained 314 million pairs in 1956. Glueing has nearly completely replaced the old sewing method for fastening the sole. Rubber soles are fastened mostly by semi-automatic hot vulcanization. The new method of making shoes without drawing-over and tightening by drawing ("bezobtyazhnyy metod") has eliminated complex machines, reduced the consumption of leather and increased work efficiency. It can be combined with the sewing and glueing method and with hot vulcanization.

The importance of standards in shoe industry is stressed and the existing FOCTs for the shoe industry are listed. The laboratory testing methods enable direct evaluation of the quality of shoes. TsNIKP has lately completed work for im-

Card 1/2

Technical Progress in Leather-Footwear Industry

28-5-10/30

proving the methods of testing new materials. New methods of evaluating water permeability of shoe materials, sturdiness of leather substitutes and shoewear fabrics have been developed. The standards for shoe materials still need amendment. The two basic standards for shoewear are presently under revision.

The article contains one photograph of the new machinery at the Leningrad shoe factory "Proletarskaya pobeda"

ASSOCIATION: Central Scientific Research Institute for Leather and Shoewear (Tsentral'nyy nauchno-issledovatel'skiy institut kozhevenno-obuvnoy promyshlennosti)

AVAILABLE: Library of Congress

Card 2/2

BREYEV, B.D.

Expand the use of scientific and technical achievements in developing  
the leather and shoe industry. Leg.prom. 18 no.7:5-9 Jl '58.  
(MIRA 11:9)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta  
kozhevenno-obuvnoy promyshlennosti.  
(Leather industry) (Shoe manufacture)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV BI

BREYEV, B. I.; METEJKIN, A. D.

Research being made by the Scientific Research Institute of  
Czechoslovak leather and footwear industries, Leg.prom.17  
no.9:22 S '57. (MIRA 10:12)  
(Czechoslovakia--Leather industry)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

BREYEV, B.D.

Basic technical trends and scientific research work in the leather and shoe industry. Kozh.-obuv.prom. no.1:11-15 Ja '59.

(MIRA 12:6)

1. Direktor Tsentral'nogo nauchno-issledovatel'skogo instituta kozhevenno-obuvnoy promyshlennosti.

(Leather research) (Shoe industry)

BRETEV, B.D.

Combine creative ingenuities for solving the technical problems of the leather and shoe industry. Izv.vys.ucheb.zav.; tekhn.leg.prom. no.1:11-16 '59. (MIRA 12:6)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta kozhevenno-obuvnoy promyshlennosti.  
(Leather industry) (Shoe industry)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, B.D.; KAPUSTIN, I.I.

Methods for increasing the capacity of mass production lines (to  
be continued). Kozh.-obuv.prom. no.7:10-11 J1 '59.

(MIRA 12:11)

(Shoe manufacture)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, B.D.; KAPUSTIN, I.I.

Methods to increase the capacity of conveyor production lines  
(conclusion). Kosz.-obuv. prom. no. 8:7-11 Ag. '59.

(Shoe manufacture)

(MIRA 13:1)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

SKETCH-B-D

## PAGE I BOOK EXPLOITATION SOVA358

*Trud i tekhnika v selenitse (Labor and Engineering in the Seven-Year Plan)*, Moscow, Progress, 1960, 355 p. (Series: Massovye biblioteki rabochego), 10,000 copies printed.

Compiler: S. G. Krjlov; Ed.: A. V. Anisimov; Tech. Ed.:

A. A. Golikhanova.

PURPOSE: This book is intended for the general reader.

COVERAGE: The book is a collection of 19 articles dealing with the achievements and progress of the Seven-Year Plan in branches of the Soviet economy and in science.

Attention is given to power plant construction, machine building, operations, electricalization, transportation, prospecting, steel production, production of consumer goods, mechanization of agriculture, and chemistry.

Suggestions for further progress are made. No personalities are mentioned. There are no references.

Prokopenko, A. Ye. [Deputy Director, Experimental 'Vyzhodostroy' Scientific-Industrial Institute metalobrashchich stankov (Experimental Scientific-Industrial Institute metalobrashchich stankov Machine Tools)], Pre-mechanized Machine Tools to Automatic Production Lines, Tapes, and Factories 59

Rabotnitsky, A. Ye. [Doctor of Technical Sciences] Program Control of Working Tools 59

Sogolomov, V. D. [Doctor of Technical Sciences, Professor] Cybernetics 119

Petrov, B. M. [Corresponding Member, Academy of Sciences USSR] Automation in the Near Future 127

Gamburk, D. Yu. [Candidate of Chemistry] Chemistry Today and Tomorrow 142

Chukhlebov, Z. Z. [Corresponding Member, Academy of Sciences USSR] On Comprehensive Utilization of Fuel 207

Borisev, M. I. [Chairman, Central Committee, Trade Union of Workers in the Building Materials Industry] The Construction of a Large Construction-Production Project 223

Creslavskiy, A. A. [Candidate of Technical Sciences] Welding Strengths of the Future 252

Scherbakov, D. I. [Member, Academy of Sciences USSR] What Is New in Prospecting for Mineral Resources 267

Petrov, N. A. [Candidate of Technical Sciences, Deputy Chairman, State Scientific and Technical Committee, Council of Ministers of the USSR] New Engineering for the Creators of Plenty 290

Shchetin, S. S. [Instructor, Centralny nauchno-issledovatel'skiy institut nauchno-tekhnicheskoy promstvennosti (Central Scientific Research Institute of the Leather and Footwear Industry)] For the Welfare of the People 308

Khavay, R. P. [Director, Centralny nauchno-issledovatel'skiy institut nauchno-tekhnicheskoy promstvennosti (Central Scientific Research Institute of the Leather and Footwear Industry)] Half a Billion Pairs of Shoes 320

Karpenko, A. N. [Member, All-Union Academy of Agricultural Sciences] Lenin's, I. Lenin, Large-Scale Mechanization of Agriculture 325

Zvezkov, V. V. [Corresponding Member, Academy of Sciences USSR, Honored Scientist and Technologist] A Big Tap 341

Explanation of Foreign Terms and Difficult Words Occurring in the Book 363

BREYEV, B.D.; ZURABYAN, K.M., starshiy nauchnyy sotrudnik

Practices of the Hungarian leather industry (to be continued).  
Kozh.obuv.prom. 2 no.1:27-32 Ja '60. (MIRA 13:5)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta  
kozhevennoy promyshlennosti (for Brejnev).  
(Hungary—Leather industry)

BREYEV, B.D.; ZURABYAN, K.M., starshiy nauchnyy sotrudnik

Practices of the Hungarian leather industry (continuation).  
Kozh.-obuv.prom. 2 no.2:28-31 F '60. (MIRA 13:5)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta  
koshhevenno-obuvnoy promyshlennosti (for Breyev).  
(Hungary--Leather industry--Equipment and supplies)

BREYEV, B.D.

Industrial potentials to be used for the fulfillment of the seven-year plan ahead of time. Kozh.-obuv.prom. 2 no.9:4-6 S '60.

(MIRA 13:10)

1. Doktor Tsentral'nogo nauchno-issledovatel'skogo instituta korke-  
vennobjuvnoy promyshlennosti.  
(Leather industry) (Shoe industry)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

BREYEV, B.D., starshiy prepodavatel'

Retraining the labor force under the conditions of comprehensive  
mechanization and automation of production processes. Trudy Ural.  
politekh. inst. no.120:42-49 '61. (MIRA 16:6)  
(Sverdlovsk Province--Machinery industry--Technological innovations)  
(Sverdlovsk Province--Machinery industry workers--Education and training)

BREYEV, B.D.

Improve the manufacturing technology, the quality, and the  
selection range of leather and tanning materials. Kozh.-obuv.  
prom. 3 no.8:10-12 Ag '61. (MIRA 14:10).

1. Direktor TSentral'nogo nauchno-issledovatel'skogo in-  
stituta kozhevenno-obuvnoy promyshlennosti.  
(Leather industry) (Tanning materials)

(6)

BREYEV, B. D., Central Scientific Research Institute of Leather Footwear Industry, Moscow - "New trends of technologies, new factory equipments in the Soviet Union" Section 2-c

KOMISSARIOVA, N. B., Administrative Department of the Leather Trades' Industries, Moscow - "Experiences of abrasion resistance of sole leathers" Section 1-d

PAVLOV, A., Prof. Dr., Moscow Technological Institute of Light Industry, Moscow - "Use of plastics in the shoe industry" Section 2-a (Hand A.C.)

RODIONOV, A. M., Research Institute for the Fur Industry, Moscow - (Subject to be given later) Section 3-c

SVETKOV, V. N., Moscow Technological Institute of Light Industry, Moscow - "Principles of calculation of the strength of leather" Section 2-d

ZUBIN, V. P., Prof. Dr., Moscow Technological Institute of Light Industry, Moscow - "Principles of construction of rational last forms" Section 2-c

ZURABYAN, K. M., Central Scientific Research Institute of Leather Substitutes, Moscow - "Filling of the flabby parts of leathers" Section 1-d

Report to be submitted for the Congress of the Scientific Society of the Leather, Shoe and Allied Industries, Budapest, Hungary, 3-6 Oct 1962

BREYEV, B.D.

Ways of improving the organization of production and the quality  
of footwear in connection with the decisions of the 22d Congress  
of the CPSU. Kozh.-obuv.prom. 4 no.2:5-10 F '62. (MIRA 15:4)

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta  
kozhevenno-obuvnoy promyshlennosti.

(Shoe industry)

BREYEV, Boris Dmitriyevich; TOLYPINA, O.N., red.; PONOMAREVA, A.A.,  
tekhn. red.

[Technological progress and the structure of the labor supply]  
Tekhnicheskii progress i struktura rabochikh kadrov. Moskva,  
Ekonomizdat, 1963. 86 p. (MIRA 16:10)  
(Machinery industry—Technological innovations)  
(Automation—Social aspects)

BREYEV, B.D.

New trends in the development of the technology of shoe  
manufacture. Kozh.-obuv.prom. 5 no.1:17-24 Ja '63.

1. Direktor TSentral'nogo nauchno-issledovatel'skogo instituta  
kozhevenno-obuvnoy promyshlennosti.  
(Shoe manufacture) (MIRA 16:2)

BREJEV, B.D. [Breyev, B.D.] (Moskva)

Newer trends in the development of shoe technology in the Soviet Union. Ber cipo 13 no.3:86-89 My '63.

LOSKUTOV, V.V.; BREYEV, B.G., kand.tekhn.nauk, ratsenzent; KITAYEV,  
V.I., inzh., ratsenzent; TOLSTOV, M.A., inzh., red.; MODEL',  
B.I., tekhn.red.

[Automatic and semiautomatic grinding machines] Shlifoval'nye  
avtomaty i poluavtomaty. Moskva, Gos.sauchno-tekhn.izd-vo  
mashinostroit.lit-ry, 1959. 292 p.  
(Grinding machines) (MIRA 13:3)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, B.T., Engineer

"How Can a 'Blind' Bushing be Extracted?"  
Stanki i Instrument, 14, no.6, 1943

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, B.T., Engineer

"Compensation for Play in Machine Tools for Grinding Threads," Stanki i Instrument,  
17, nos. 7-8, 1946

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

BREYEV, B. T. (ENGR)

BREYEV, B. T. (ENGR) -- "EXPERIMENTAL INVESTIGATION OF THERMODYNAMIC MECHANISMS OF TRANSVERSE (CUT-IN) FEED IN POLISHING MACHINES FOR MACHINING SURFACES OF ROTATION," SUB 27 FEB 52, MOSCOW MACHINE-TOOL AND TOOL INST (HENR I. V. STALIN (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

1. BREYEV, B. T.
2. USSR (600)
4. Grinding and Polishing
7. Post-war development of machining by means of abrasive tools. Stan. instr.  
23 no.11 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

(b)(1) (b) (4) (D) (1)

1. BREEV, B. T.
2. USSR (600)
7. Development of Machining With An Abrasive Tool in the Post-War Period,  
Machine Tools and Instruments No. 1, Jan 1953
9. Compilation of Information of the USSR Machine and Machine Tools Industry  
Contained in Soviet Publications. ATIC. Restricted.

BREYEV, B. T.

Grinding and Polishing

Development of machining operations with abrasive tools in the post-war period.  
(conclusion). Stan. i instr. 24, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

BREYEV, B.T.

AID P - 4777

Subject : USSR/Engineering  
Card 1/1 Pub. 103 - 4/24  
Author : Breyev, B. T.  
Title : Heat deformations in machine-tools and measures for their elimination.  
Periodical : Stan. i. instr., 3, 14-15, Mr 1956  
Abstract : Heat emanating during the operation of a metal-cutting machine affects its component parts and reduces the rigidity of the machine, diminishing its efficiency as a whole and lowering the quality of the output. One of the effective counter measures is the application of a compensator. The author describes the heat compensator installed in the 3B180-model centerless grinding machine. Two drawings.  
Institution : None  
Submitted : No date

BREYEV, B.T.

AID P - 5142

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 1/18

Author : Breyev, B. T.

Title : Problems of automation in grinding

Periodical : Stan. i instr., 5, 1-7, My 1956

Abstract : The author discusses automatic hydraulic, electric and mechanical arrangements in various grinding machines, the problem of automatic restoration of cutting ability of grinding tools in the machines, the automatic loading of specimens to be machined and the unloading of finished products. Nine drawings and 1 photo.

Institution : None

Submitted : No date

~~BREYER, B. T.~~

Securing the cylindricality in grinding long shaft journals.  
Stan.1 instr. 28 no.9:18-21 S '57. (MIRA 10:10)  
(Grinding and polishing) (Shafts and shafting)

BREYEV, K. A.

Behavior of blood sucking diptera and of gadflies during their attack upon the reindeer and the reindeer's reaction to such attacks.

2. Congregation of reindeer in herds as a defense factor against the attacks of blood suckers and gadflies. Paraz. sbor., no. 13, 1951

SO: MLRA. April 1952.

BREYEV, K.A.; KARAEYEVA, A.F.

Material on the biology of the warble fly *Oedemagana tarandi* L. Paraz.  
sbor. 14:95-102 '52. (MLRA 6:6)  
(Warble flies) (Parasites--Reindeer)

BREIEV, K.A.; KARAZHNEVA, Z.P.

Materials on the biology of the deer bot *Oedemagena tarandi* L.  
of the reindeer. Paraz. sbor. 15:410-424 '53. (MLRA 7:5)  
(Parasites--Reindeer) (Warble flies)

BREYEV, K. A.

USSR/Medicine - Veterinary

FD-473

Card 1/1 : Pub. 137 - 14/24

Author : Breyev, K. A., Cand Biol Sci and Savel'yev, D. V., Cand Agr Sci

Title : Control of cutaneous gadflies of reindeer

Periodical : Veterinariya, 7, 35-37, Jul 54

Abstract : The Institute has developed a method of exterminating the female cutaneous gadfly during flight and oviposit. Composite emulsion consisting of 20% mineral oil concentrations of DDT and hexachlorocyclohexane (GKhTsG) diluted with water in a ratio of 1 to 3 has been used to spray deer. Tendency of deer to crowd together when attacked by gadflies makes it easy to spray them with this emulsion. The apparatus used for spraying consists of a barrel with a plunger pump (OBP) and a sprayer of the VNIIOT type. One table. Three illustrations.

Institution : Scientific-Research Institute of Polar Agriculture, Animal Husbandry, and Hunting and Fishing

Submitted :

BREYEV, Konstantin Alekseevich

[Control of warble flies in Western Europe and the U.S.A.]  
Bor'ba s kozhnymi ovodami v Zapadnoi Evrope i SSSR. Leningrad.  
1956. 29 p.  
(Warble flies)

(MLRA 10:5)

BREYEV, K.A.

Attacks of the warble flies *Oedemagena tarandi* L. and *Cephenemyia trempe* L. on the reindeer and factors for controlling them. Parazit. sber. 16: 155-183 '56. (MLRA 9:7)

1.Zoologicheskiy institut Akademii nauk SSSR.  
(Bot flies) (Reindeer--Diseases and pests)

BREYEV, K.A., kandidat biologicheskikh nauk.

Control of warble flies of cattle in Western Europe and the  
United States. Veterinaria 33 no.2:78-83 F '56. (MLRA 9:5)

1. Zoologicheskiy institut Akademii nauk SSSR,  
(WARBLE FLIES)

USSR/Zooparasitology. Ticks and Insects--Vectors of  
Causative Agents of Diseases

G

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57946

Author : Breyev K. A.

Inst : Not given

Title : Protection of Humans and Animals from Sanguivorous Insects (Information on the Control of Insects)

Orig Pub : Vestn. AN SSSR, 1957, No 8, 112-113

Abstract : No abstract

Card 1/1

12

USSR  
of Zoonosanitology  
of Disease.  
Biol., No. 4. Acarids and Insects as Vectors  
Breyer, K. A.; Karzevyeva, N. I. 1959, No. 15050  
on the Biology of the Reindeer, E. F.  
tarand. L. III. Observations upon Oedema-  
to I. sb., 1957, 17. 199-228  
cts on the recommended period of the pasture on different  
low marshy or the massive, and to falling out-  
sections with firm ground provided  
er. Out of 1,560 males reindeer without  
only 0.8% males were found  
e, a case of twofold copulation.

COUNTRY : USSR G  
CATEGORY : Zooparasitology. Acarids and Insects as Vectors  
of Disease. Insects  
ABS. JOUR. : RZhBiol., No. 4 1959, No. 15050  
  
AUTHOR : Breyev, K. A.; Karazeyeva, Z. F.  
INST. :  
TITLE : Data on the Biology of the Reindeer Fly Oedema-  
gena tarandi L: III. Observations upon Pupae and  
Adult Reindeer Flies  
ORIG. PUB. : Parazitol. sb., 1957, 17, 199-228  
  
STRACT : Experiments on the survival of pupae on different  
soils permit to recommend the pasturing of rein-  
deer (R) in the period of the massive falling out  
of larvae in low marshy places, and to provide  
rest for R in sections with firm ground without  
vegetative cover. Out of 1,580 reindeer flies  
caught in nature, only 0.8% males were found.  
In the laboratory a case of twofold copulation

1/4

30

COUNTRY :	
CATEGORY :	G
ABS. JOUR. :	RZhBiol., No. 14 1959, No. 15050
AUTHOR :	
INST. :	
TITLE :	
ORIG. PUB. :	
ABSTRACT cont'd	: of one pair of reindeer flies was observed. Flight in European tundras occurs from the end of June or the beginning of July until the beginning of September. The flight may take place at the temperature of not less than 7.4° in sunny weather and not less than 13° in cloudy weather. In sunny weather, the attack of females (F) causes great unrest of R; at the same time, F succeed in laying only an insignificant part of their eggs. In cloudy weather, when R lies down
CARD:	2/4

COUNTRY :  
CATEGORY :  
SS. JOUR. : RZhBiol., No. 4 1959, No. 15050  
G  
AUTHOR :  
INST. :  
TITLE :  
ORIG. PUB. :

ABSTRACT  
cont'd : the flies lay eggs while crawling towards R across the ground and do not cause any agitation in it; in this case a great portion of eggs is laid. One of the causes of the greater infestation of weak R and young R by larvae is explained by the fact that during attack by the females of the R fly they get tired more rapidly and lie down. The dummy of R, even if primitive, attracts

CARD: 3/4

31

BREYEV, Konstantin Aleksandrovich; SAVELYEV, Dmitriy Vasil'yevich;  
PAVLOVSKIY, Ye.N., akademik, glavnnyy red.; GRUZHIN, K.Ya., red.;  
SERGEYEVA, G.I., red.izd-va; ARONS, R.A., tekhn.red.

[Reindeer warble fly and its control] Kozhnyi ovod severnogo  
olenia i bor'ba s nim. Moskva, Izd-vo Akad. nauk SSSR, 1958.  
100 p. (Nauchno-populiarnaya seriya, no.6) (MIRA 11:5)

1. President Vsesoyuznogo entomologicheskogo obshchestva, (for  
Pavlovskiy)  
(Reindeer--Diseases and pests) (Warble flies)

BREYEV, K.A.

Use of ultraviolet-light traps to determine the specific composition  
and density of mosquito populations [with summary in English]. Paraz.  
sbor. 18:219-238 '58. (MIRA 12:3)

1. Zoologicheskiy institut AN SSSR.  
(Mesquites) (Insect traps) (Ultraviolet rays)

USOVA, Zinaida Vasil'yevna; ~~EFTEV~~, K.A., kand. biolog. nauk, red.; STREL-KOV, A.A., red. izd-va; ZENDEL', M.Ye., tekhn. red.

[Black flies (Diptera, Simuliidae) of Karelia and Murmansk Province]  
Fauna moshek Karelii i Murmanskoj oblasti (Diptera, Simuliidae).  
Moskva, Izd-vo Akad. nauk SSSR, 1961. 286 p. (MIRA 14:12)  
(Karelia--Black flies) (Murmansk Province--Black flies)

BREYEV, K.A.

Biological principles of warble fly control. Ent. oboz. 40  
no.1:76-97 '61. (MIRA 14:4)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Warble flies)

BREYEV, K.A.

Effect of different sources of light on the abundance and species  
of mosquitoes collected with light traps. Vop. ekol. 4:92-93 '62.

1. Zoologicheskiy institut AN SSSR, Leningrad. (MIRA 15:11)  
(Mosquitoes) (Light—Physiological effect) (Insect traps)

BREYEV, K.A.

Effect of different sources of light on the abundance and species  
of bloodsucking mosquitoes (Diptera, Culicidae) collected by light  
traps. Ent. oboz. 42 no.2:280-~~003~~ '63. (MIRA 16:8)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Astrakhan Preserve—Mosquitoes) (Insect traps)

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, K. A.

"Metody bor'by s krovososushchimi nasekomyimi i ovodami v olenevodcheskikh  
khozyaystvakh Severa SSSR."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug. 64.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

PREYEV, K.A.; DYADECHKO, V.N.

Artificial infestation of cattle with the eggs of the warble fly  
hypoderma bovis LeGuer. Zool. zhur. 43 no. 3:474-479 '64.  
(MJRA 17:5)

1. Zoological Institute, Academy of Sciences of U.S.S.R.,  
Leningrad and All-Union Research Institute of Veterinary Sanitary,  
Ministry of Agriculture of U.S.S.R., Moscow.

BREYEV, K. A.

"On the way of migration of the first instar larvae of the warble-fly Hypoderma bovis DeGeer (Diptera. Hypodermatidae) in the host-organism."

report submitted for 1st Intl Cong, Parasitology, Rome, 21-26 Sep 64.

Zoological Inst, AS USSR, Leningrad N-164.

BREYEV, K.A.; DYADECHKO, V.N.

Migration pathways of the first instar larvae of the ox warble fly (*Hypoderma bovis* De Geer) in the host organism. Zool. zhur. 44 no.5:728-733 '65.  
(MIRA 18:6)

1. Zoologicheskiy institut AN SSSR, Leningrad i Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii Ministerstva sel'skogo khozyaystva SSSR, Moskva.

BREYEV, K.A.

Present methods of warble fly control and their future development.  
Trudy Zool. inst. 35:308-318 '65.  
(MIRA 19:1)

1. Zoologicheskiy institut AN SSSR.

Y  
BREEV, M.

Vazhneishaiia zadacha transporta v 1945 g. [The most significant problem of transportation in 1945]. (Zhel-dor. transport, 1945, no. 1, p. 9-18).  
"Gives reduction in turnaround time, 1932-1940 broken down by elements."

DLC: HE7.25

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7

BREYEV, M.

Laws of the distribution of the labor force in the U.S.S.R.  
Sots.trud no.6:29-39 Je '57. (MIRA 10:7)  
(Manpower)

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000306910014-7"

BREYEV, M.V., dotsent, red.; ITKINA, A.S., dotsent, red.; KOZLOV, L.A.,  
dotsent, red.; OZEROV, V.K., dotsent, red.

[Problems in national economic planning] Voprosy narodnokhoziaistven-  
nogo planirovaniia; sbornik statei. Redkollegiia; Itkina, A.S., Koz-  
lov, L.A., Ozerov, V.K. Moalva, Mosk. gos. ekon. in-t, 1958. 226 p.  
(MIRA 14:8)

(Russia—Economic policy)

BREYEV, Mikhail Viktorovich; KALYK, V.A., red.; PONOMAREVA, A.A.,  
tekhn.red.

[Law of planned and proportional development, and planning of  
the national economy] Zakon planomernogo proportsional'nogo  
razvitiia i planirovanie narodnogo khoziaistva. Moskva, Gos-  
planizdat, 1961. 82 p.

(Russia—Economic policy)

(MIRA 14:6)

BREYEV, Mikhail Viktorovich

Zakon planomernogo, proporsional'nogo razvitiya i planirovaniye narodnogo khozyaystva. Moskva Gosplanizdat, 1961.

82 p. Tables.

Bibliographical f. etnotes.

BREYEV, M.

The economic use and improvement of working time. Sets, trad  
6 no.12-21-20 D 1981.  
(labor productivity)

BREYEV, M.V., doktor ekon. nauk; SILIN, V.A.; BYCHEK, N.R., kand. ekon. nauk; GREBTSOV, G.I., kand. ekon. nauk; ITKINA, A.S., kand. ekon. nauk; KOKOREV, M.V., kand. ekon. nauk; KOMIN, A.N., kand. ekon. nauk; LIPSITS, V.B., kand. ekon. nauk; OZORNOV, A.K., kand. ekon. nauk; ORLOV, N.M., st. prepod.; SEREDNITSKAYA, Ye.K., kand. ekon. nauk; SMEKHOV, B.M., doktor ekon. nauk; FEL'D, S.D., kand. ekon. nauk; LISOV, V.Ye., red.; TARASOVA, T.K., mlad. red.; GERASIMOVA, Ye.S., tekhn. red.

[Planning the national economy of the U.S.S.R.] Planirovanie narodnogo khoziaistva SSSR. Moskva, Ekonomizdat, 1963. 621 p.  
(MIRA 16:8)

1. Moscow. Institut narodnogo khozyaystva.  
(Russia--Economic policy)

BREYEV, V.A.

Eliminate defects in accounting and accounts. Gidroliz. i lesokhim. prom. 8 no.6:25-26 '55.  
(MLRA 9:1)

1. Glavnnyy bukhgalter Glavleskhima.  
(Wood-using industries--Accounting)